

PRODUCT BULLETIN
GYPSUM PRODUCTS

GYPSUM WALLBOARD
1/2" MOISTURE GUARD

BULLETIN NO: B-40
DATE: 4-13-67
PAGE: 1 of 3

CANCELS: B-40
DATE: 10/21/64

PRODUCING PLANT:

Antioch

Seattle

Rosario

Jacksonville
& Delanco

Core Formula: (Lbs/Msf)

Board Stucco	(S-1, S-2)	1475/1650	1475/1650	1475/1650	1475/1650
Paper Fiber	(B-G-1)	13-17	13-17	18-22	13-17
Starch	(RM-B11A)	7-10	7-10	7-10	7-10
Core Foaming Agent Resin	(B-G-1)	---	0-1.5	---	---
A L S	(B-G-1)	---	---	0-1.5	0-1.5
A A S	(B-G-1)	0-1.5	---	---	---
Lignin	(B-G-1)	2.0-3.5	2.0-3.5	2.0-3.5	2.0-3.5
Ground Gypsum	(B-G-1)	---	---	---	---
End Trim	(B-G-1)	20-35	20-35	---	20-35
Potassium Sulfate	(B-G-1)	0.5-2.0	0.5-2.0	---	0.5-2.0
Paracol	(B-G-1)	64-70	64-70	64-70	64-70
Heavy Fuel Oil (Gallons/MSF)	(B-G-1)	29-35	29-35	29-35	29-35

Note: Adjust Paracol and Heavy Fuel Oil usage as required to maintain water immersion tests within specifications.

Paper Liners:

Face Paper: Tan Colored Manila 50-1/2" wide, (RM-B-)
Back Paper: Black Sheathing Paper 47-1/4" wide, (RM-B-)

OPERATING SPECIFICATIONS: (Refer to Product Bulletin B-G-2 for General Specifications)

- Slurry Slump, inches 4 1/2 - 7
- Slurry Setting Time, minutes 2 - 4

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OPERATING SPECIFICATIONS (continued)

- | | |
|--|---------|
| 3. Wet Slurry Weight, Lbs./C.F. | 75-85 |
| 4. Wet Compressive Strength, psi | 235-400 |
| 5. Moisture Content at Take-Off
(prong type meter), percent | 15-20 |

PRODUCT SPECIFICATIONS: (Refer to Product Bulletin B-G-4 for General Specifications)

- | | |
|---------------------------------------|------------------|
| Wet Weight, Lbs/MSF | 3200-3500 |
| Dry Weight, Lbs./MSF | 2150-2350 |
| Evaporation Loss, Lbs/MSF | 1050-1150 |
| Thickness, Average (inch) | .480-.505 |
| Thickness, Individual Reading (inch) | ±0.010 from avg. |
| Edges | Tapered |
| Edge Hardness @ Take-Off, min. (Lbs.) | 6.5 |
| End Peel After Sawing, max. (inch) | 1/8 |
| Flexural Strength, minimum | |
| Across Grain, lbs. | 140 |
| Parallel " | 50 |
| Deflection at Break, minimum | |
| Across Grain, inch | 0.30 |
| Parallel " | 0.20 |
| Punch Test, Lbs. | 700-900 |
| Modulus of Rupture, maximum | 260 |
| Twist Test, maximum split | |
| Face, inch | 1/2 |
| Back, inch | 1/2 |

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PRODUCT SPECIFICATIONS (continued)

Hammer Loss, decigrams
Individual Test, maximum 7.5

Bond @ High Humidity, maximum peel
Face, inch 1/2
Back, inch 1/2

Water Immersion Test, maximum
Weight Gain after 24 hrs., percent 9.0

Face Printing shall read:

1/2"

1/2" MOISTURE-GUARD

1/2" MOISTURE-GUARD

Water immersion test is made according to the procedure specified in A.S.T.M. C473, modified to 24 hours immersion rather than 2 hours as specified.